



ADDENDUM NO. 3
Issued June 22, 2007

TO

REQUEST FOR BIDS
FOR
HARTFORD LANDFILL CLOSURE
MSW/INTERIM ASH DISPOSAL AREA
(RFQ Number 2007E005)

(RFB Issued June 4, 2007)

Note: Bidder is required to acknowledge this and all Addenda in Section 5(a) of the Bid Form.

The following is the third addendum being issued as part of the bid solicitation by the Connecticut Resources Recovery Authority (“CRRA”) for the subject project. All bidders must acknowledge receipt of this addendum in the appropriate space on the Bid Form in order for the bid to be deemed responsive. This addendum is divided into several parts and reference is made to additional and revised documents being issued as part of this addendum. The bidders are responsible for completely reviewing the addendum and shall adjust their bid based upon the original Bid Documents and the changes incorporated by this addendum.

1. QUESTIONS RECEIVED BY CRRA PRIOR TO THE JUNE 18, 2007 DEADLINE

- (a) On page CP-501 of the Drawings, under the detail for the Bituminous Concrete Access road, it shows 24" of "Compacted Subbase Material." Is the Specification for this material "General Fill" as noted under the "Landfill Earthwork" Section of the Spec Book, or is it something different?**

Reply – The Material Specification for “Compacted Subbase” is per Form 816, M.02.02, Grading B. Section 02310 of the specifications has been revised accordingly, as described in Item Number 3(d) of this addendum.

- (b) As indicated on Sheet CP-501, more of the Sand Drainage Material will be needed on top of the cap to build the access road...Will we be paid for this material under the Road Item (i.e., Pay Item #29) or under the Sand Drainage Layer Item (i.e., Pay Item #12)?**

Reply – The nine inches (compacted thickness) of Sand Drainage Material immediately above the geonet shall be included in the lump sum price for “Cap Drainage Layer”. Additional Sand Drainage Material required for the construction of the bituminous concrete access road shall be paid at the unit price for Pay Item #34 – “Additional Fill for Access Road”.

- (c) What is the thickness of the existing cover soil, and can it's depth be guaranteed to be reasonably uniform?**

Reply – The existing cover soil over most of the project area consists of 6”-18” of daily or intermediate cover material. This material is not expected to be suitable for cap base or vegetative support purposes. No guarantee is made as to cover soil uniformity of thickness, gradation, quality, compaction, absence of deleterious material, etc.

In the northern portion of the 4% slope area, a previously closed Interim Ash Disposal Area overlaps the project area. In this area (approx. 19,000 SY), the cover soil includes approximately 6” of approved vegetative support soil. The contractor will be required to strip and stockpile this material as described in item number 3(a) of this addendum.

- (d) Note #1 on Sheet CE-102 contradicts what is specified in the Stormwater Discharge Permit. It says the max area to be opened/disturbed is only to be 5 acres, not the 10 acres as specified in the two places mentioned. Please clarify what we should go by.**

Reply – The note on Sheet CE-102 correctly describes the limitation of disturbed area. Section 4.1.1 of the Stormwater Pollution Control Plan is superseded. The Stormwater Pollution Control Plan will be revised to reflect this.

- (e) **Section 02142 “LLDPE Geomembrane Liner”, Paragraph 1.8 A asks for a 30 year warranty. The manufacturers I have spoken with will not give a warranty for that period. I would like to ask that this be changed to a 20 year warranty.**

Reply – The warranty period has been revised as described in Item Number 3(c) of this addendum.

- (f) **Due to the fact that a large portion of this project will be installed in 2008 and the unstable polyethylene market, I would like to ask that a resin escalator be used to account for any changes in the price of raw materials used in the manufacturing of geosynthetic products that may occur.**

Reply – No adjustment to the lump sum bid price will be allowed. However, CRRA will permit the contractor to pre-purchase and store material on-site. Such storage must comply with the requirements of Section 01660 “Storage and Handling”. Items delivered and stored on- site will be eligible for payment in accordance with Section 01290, Part 1.5, Paragraph A.1.

- (g) **Specification Section 02141, page 3, Paragraph 1.4-B Submittals, section 7)a, states that soil chemical analysis reports will be performed on the general fill, base cap and sand drainage layers. This Section also states that “Owner reserves the right to disqualify the source based on the results of the chemical testing”. The testing parameters are not defined. Please define what an acceptable soil chemical analysis testing result would be.**

Reply – Materials placed below the geomembrane liner must be “Non-Hazardous” as defined by the Resource Conservation and Recovery Act.

Material placed above the geomembrane liner (e.g., sand drainage material, vegetative support material) will be compared to the Connecticut Remediation Standard Regulations, RCSA 22a-133-k. Specifically, the material must meet the Residential Direct Exposure Criteria and the GA Pollutant Mobility Criteria.

If the chemical analysis stipulated by the specifications is inadequate to demonstrate compliance with the above criteria, the contractor will be required to submit other such testing as the Engineer may require (e.g., “Synthetic Precipitate Leaching Procedure” or “Toxicity Characteristic Leaching Procedure” analysis).

- (h) **Specification Section 02144, page 4, Paragraph 2.2-A Soil, section 3, states that we may reuse surface soil stockpiled on-site. How much stockpiled soil is available for contractors’ use?**

Reply – There is no material currently stockpiled on-site. As described in Item Number 3(a) and 3(b), below, the contractor will be required to strip approximately 19,000 SY of previously placed topsoil (approximately 6” deep) and reuse it as

vegetative support material. The owner also reserves the right to supply vegetative support material and/or cap base material for the project as described in Section 01205, Part 3.2, Paragraph D and E (please refer to Item Number 3(a)6) and 7), below).

- (i) **What amount of retainage is to be held, how much will be released upon substantial completion, and how much will be held for the one-year guarantee period on the seeded areas?**

Reply – Requirements for retainage are defined in Section 01290 “Payment Procedures”. This new specification section is discussed in Item Number 4, below.

- (j) **When will we be provided with the remaining plans (CU 102-103, CU 501-502)?**

Reply – These drawings were issued with Addendum Number 1 on June 8, 2007 . These drawings are also available for download from the CRRA website: http://www.crra.org/pages/business_opp.htm#htfdlfmsw

- (k) **Are CAD files available for bidding/takeoff purposes?**

Reply – AutoCAD .dxf files were issued with Addendum Number 2 on June 15, 2007 . These drawings are also available for download from the CRRA website: http://www.crra.org/pages/business_opp.htm#htfdlfmsw

- (l) **Sheet CU 101 shows force main relocation inside the limit of the geomembrane cap. Is that a future cap or is the relocation near existing liner?**

Reply – The leader on Sheet CU-101 refers to a future phase of landfill closure. The leachate force main will not be placed within the limit of an existing geomembrane cap.

- (m) **What are the allowable hours of operation? Can we take deliveries of materials during off hours?**

Reply – As described in Section 2.6 of the Agreement, permitted Work Hours are the Landfill hours of operation: 7:00 AM to 4:30 PM, Monday through Friday. At its discretion, CRRA may allow some work activities to occur on Saturdays between 7:00 AM. and 1:00 PM.

- (n) **Is water available for dust control and irrigation purposes? What would be the cost?**

Reply – The owner will supply potable water for irrigation and dust control in accordance with Section 02144, Parts 2.7 and 3.8 .

(o) Is there a requirement for a contractor provided field office?

Reply – Yes. Please refer to Item Number 4(b), below .

(p) Is the Hartford Landfill currently on the List of Contaminated or Potential contaminated Sites by the DEP?

Reply – Yes .

(q) If so, is there any remediation in process or contemplated?

Reply – No . The Hartford Landfill operates under various environmental permits issued by the Connecticut Department of Environmental Protection pursuant to governing environmental regulations and statutes which obligate CRRA to, among other things, control the leachate generated at the landfill, properly close the landfill, conduct post-closure care and maintenance activities for a minimum of 30 years following closure, and comply with applicable financial assurance regulations which govern solid waste landfills, and which require that CRRA commit the financial resources necessary to fulfill these obligations.

(r) Is the closure of the landfill under any Federal/State/Local Court Order for closure? If yes, what are the details?

Reply – No. The Work is authorized by Permit No. 0640824-M, entitled “Modification to Permit to Construct No. SW 064-5-L and Permit to Operate No. 064-4-L-O for the Hartford Landfill”, issued to CRRA by the Connecticut Department of Environmental Protection on March 29, 2007.

(s) If hazardous waste, as defined by law/regulations is found at the site during construction, what are the procedures to be implemented?

Reply – If hazardous waste, or suspected hazardous waste, as defined in 40 CFR Part 261, and/or RCSA 22a-449(c)-101, is discovered during construction, the Contractor shall immediately stop work in the area and notify the Owner and the Engineer. If CRRA determines that the material identified by Contractor requires removal from the Hartford Landfill, CRRA will retain the services of a properly licensed and qualified hazardous waste management contractor to remove the materials and notify the contractor when such materials have been removed.

(t) If discovery/remediation is necessary, will the time for completion be extended accordingly?

Reply – If removal and/or remediation of hazardous waste, as defined in 40 CFR Part 261, and/or RCSA 22a-449(c)-10, causes delays in excess of 10 working days, a contract time extension will be authorized.

(u) Will the remediation be performed outside of our contract?

Reply – Yes .

(v) Will the CRRA hold us harmless from hazardous waste liability in accordance with standard hold harmless language and incorporate into the specifications?

Reply – CRRA has added a new paragraph to the Agreement, entitled CRRA's Indemnity, which will be inserted following paragraph 5.1 of the Agreement, and which shall read as follows:

CRRA's Indemnity

To the fullest extent permitted by Laws and Regulations, CRRA shall indemnify and hold harmless Contractor and its board of directors, officers, agents, subcontractors, and employees from and against any and all claims, costs, losses, and damages (including but not limited attorneys' fees) arising out of or relating to Hazardous Waste as defined in 40 CFR Part 261, and/or RCRA 22a-449(c)-101 that is discovered during the course of activities undertaken as part of this Agreement, provided that such Hazardous Waste was neither created nor (if pre-existing) exacerbated by Contractor or by anyone for whom Contractor is responsible. Nothing in this Section shall obligate CRRA to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

2. LIST OF REVISED CONTRACT DRAWINGS PROVIDED AS PART OF ADDENDUM NUMBER 3

Drawings listed below have been revised; the reasons for the revisions are listed for each drawing.

(a) Cover Sheet (Revised)

This drawing was revised to correct sheet numbers listed in the Sheet Index. In addition, the signature and seal of a licensed Connecticut Professional Engineer was added for the electrical design.

3. LIST OF REVISIONS TO TECHNICAL SPECIFICATION SECTIONS PROVIDED AS PART OF ADDENDUM NUMBER 3

The following changes in the referenced specifications are incorporated into the Contract Documents:

(a) Section 01205 Payment Items

(1) Page 3, Article 3.1, Paragraph E, subparagraph 2.

Revise the subparagraph for Base Bid Payment Item No. 5 – Site Preparation to read as follows:

"Work associated with this item will be paid for at the Contract Lump Sum price for removal of existing diversion berms and downchutes, stripping and stockpiling of existing vegetative support material at the designated location, rough grading of site with on-site material, relocating existing chain link fence, ..."

- (2) Page 3, Article 3.1, Paragraph E, new subparagraph 2.b.3)

Add the following new subparagraph for Base Bid Payment Item No. 5 – Site Preparation:

"3) Existing Vegetative Support Material: 19,000 SY at an approximate depth of 6 inches."

- (3) Page 5; Article 3.1, Paragraph N, subparagraph 2.

Revise the subparagraph for Base Bid Payment Item No. 14 to read as follows:

"Work associated with this item will be paid for at the Contract Lump Sum price for Vegetative Support Material. Material shall be a combination of borrow material obtained by the Contractor, and on-site material previously stockpiled by the Contractor under Payment Item No. 5. The Work associated with this item shall also include soil amendments, hauling, spreading, and incidentals required to complete the work including materials, equipment, tools and labor incidental to the Work."

- (4) Page 5, Article 3.1, Paragraph N, subparagraph 2.b.1)

Revise the following subparagraph for Base Bid Payment Item No. 14 – Vegetative Support Material to read as follows:

"1) Vegetative Support Material: 208,000 SY. (Approximately 189,000 SY of borrow material, and 19,000 SY of on-site material stockpiled under Payment Item No. 5.)"

- (5) Page 6, Article 3.1, Paragraph P, subparagraph 2.b.1)

Revise the following subparagraph for Base Bid Payment Item No. 16 – Temporary Erosion Control Blankets to read as follows:

"1) Temporary Erosion Control Blankets: 78,000 SY."

- (6) Page 13, Article 3.2, Paragraph D

Add the following Paragraph D immediately following Paragraph C, Supparagraph 2.b.1):

D. Payment Item No. 9A – Owner –Supplied 6" Cap Base Material:

1. The Work of this item shall be measured by the Contract lump sum price.
2. Work associated with this item will be paid for at the Contract Lump Sum price for Owner-Supplied 6" Cap Base Material provided to the site. This item also includes Contractor's installation, compaction, material thickness testing, and incidentals required to complete the work including materials, equipment, tools and labor incidental to the Work.
 - a. Related Sections include Division 2 Section "Landfill Earthwork."
 - b. Approximate Quantities
 - 1) 6" Cap Base Material: 214,000 SY.

(7) Page 13, Article 3.2, Paragraph E, subparagraph 2.b.1)

Revise the following subparagraph for Alternate Payment Item No. 14A – Owner-Supplied Vegetative Support Material to read as follows:

"1) Vegetative Support Material: 208,000 SY. (Approximately 189,000 SY of borrow material, and 19,000 SY of on-site material stockpiled under Payment Item No. 5.)"

(b) Section 02141 Landfill Earthwork

(1) Page 1, Article 1.2, Paragraph A,

Add the following new subparagraph:

"6. Stripping and stockpiling of existing vegetative support material. Vegetative support material was tested by the Owner in 1998; test results are available upon request."

(c) Section 02142 LLDPE Geomembrane Liner

(1) Page 4, Article 1.8, Paragraph A,

Revise Paragraph A as follows:

"A. Manufacturer's Warranty: Provide written warranty as it relates to the quality of the material, for a period of not less than 20 years."

(d) Section 02310 Site Earthwork

(1) Page 3, Article 2.1, new Paragraph G.

Add the following new paragraph G:

"G. Subbase: Form 816, Section M.02.02, Grading B."

4. LIST OF REISSUED TECHNICAL SPECIFICATION SECTIONS PROVIDED AS PART OF ADDENDUM NUMBER 3

(a) Section 00412 Bid Form Table.

Re-issued the Section to incorporate Alternative Pay Item 9A, as described in Item Number 3(a)6), above.

(b) Section 01112 Summary.

Re-issued the Section to incorporate requirements for Field Office and Sanitary Facilities.

5. LIST OF NEW TECHNICAL SPECIFICATION PROVIDED AS PART OF ADDENDUM NUMBER 3

(a) Section 01250 Contract Modifications.

Added the Section to address changes in the Work, and construction change procedures and requirements.

(b) Section 01290 Payment Procedures.

Added the Section to address progress payment procedures, retainage, and Schedule of Values requirements.

6. REVISIONS TO THE "INSTRUCTIONS TO BIDDERS" PROVIDED AS PART OF ADDENDUM NUMBER 3

(a) Section 2 - Instructions to Bidders

Corrected pages 2-9 and 2-10 to reference correct sections in the bid documents.

END OF ADDENDUM NO. 3